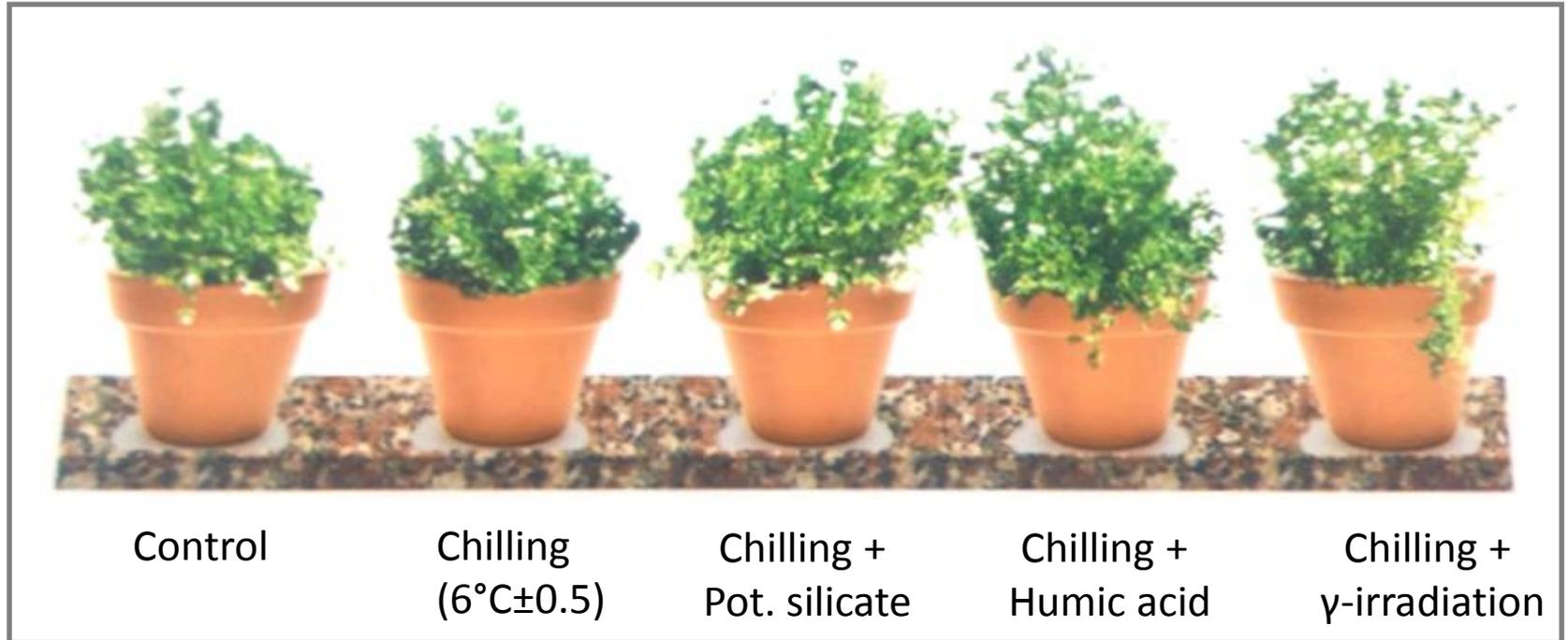


Supplementary Materials



Refers to the position of performed cropping

Supplementary Figure 1

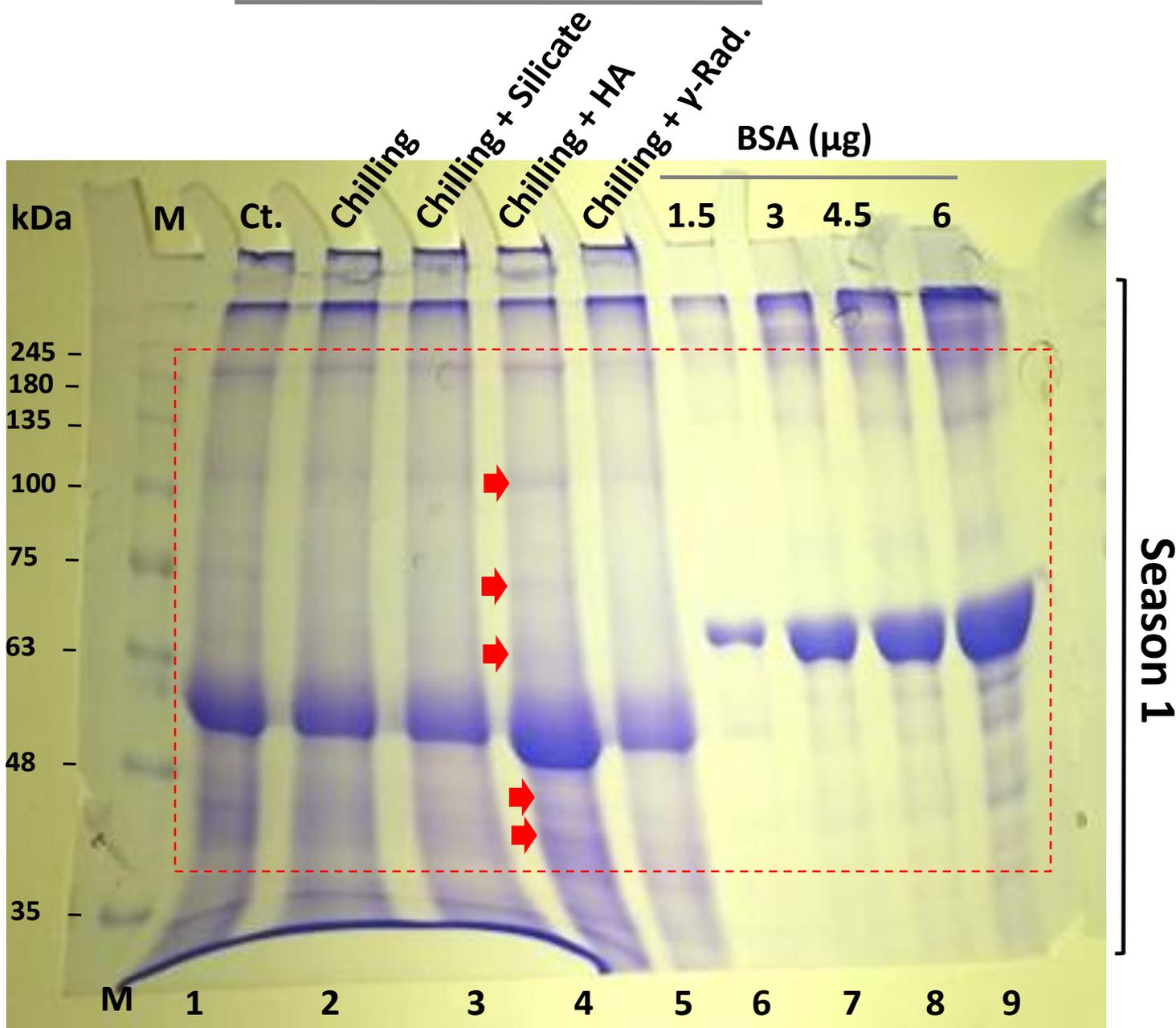


Supplementary Figure 2

Original and unprocessed version

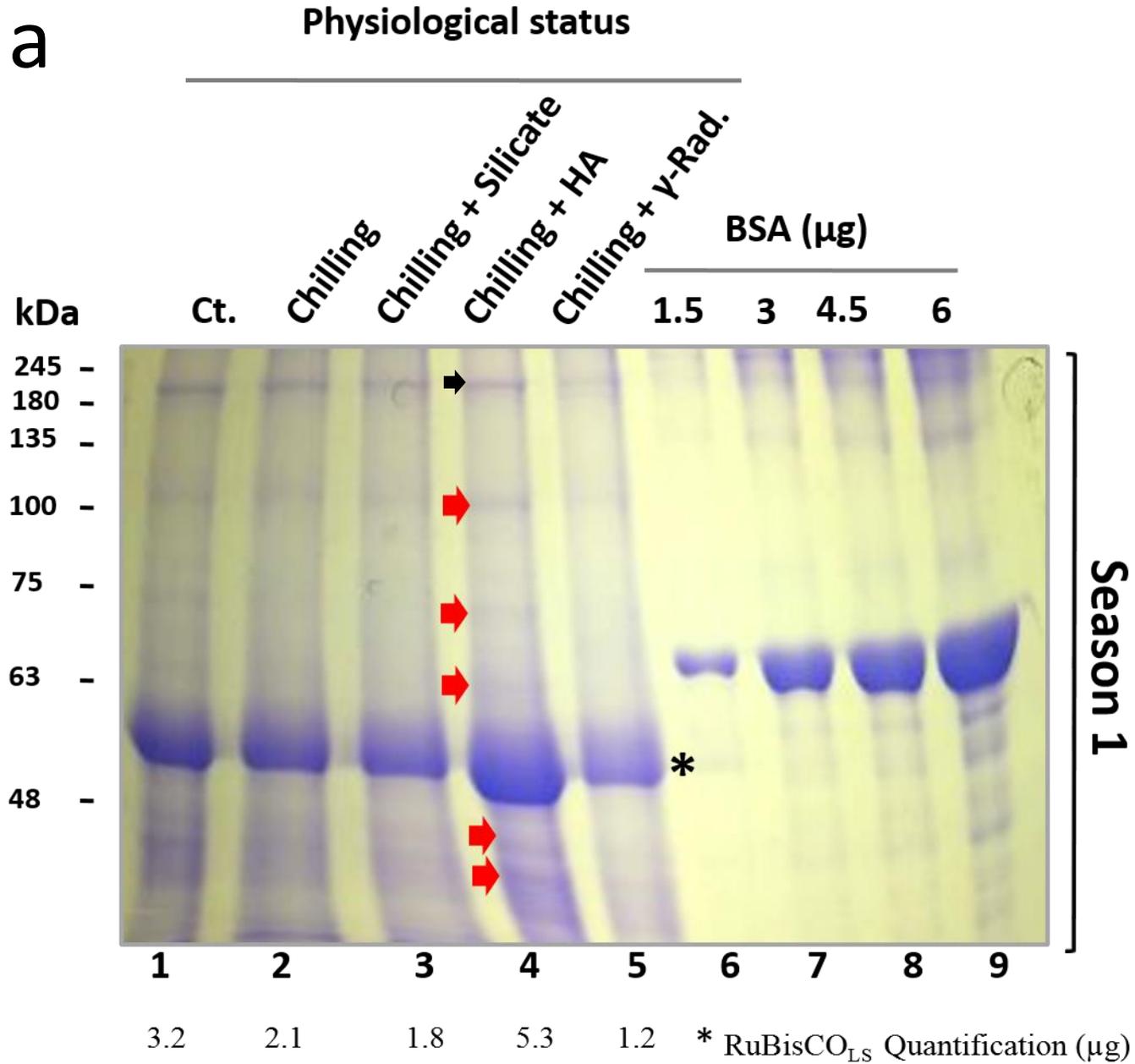
Physiological status

a

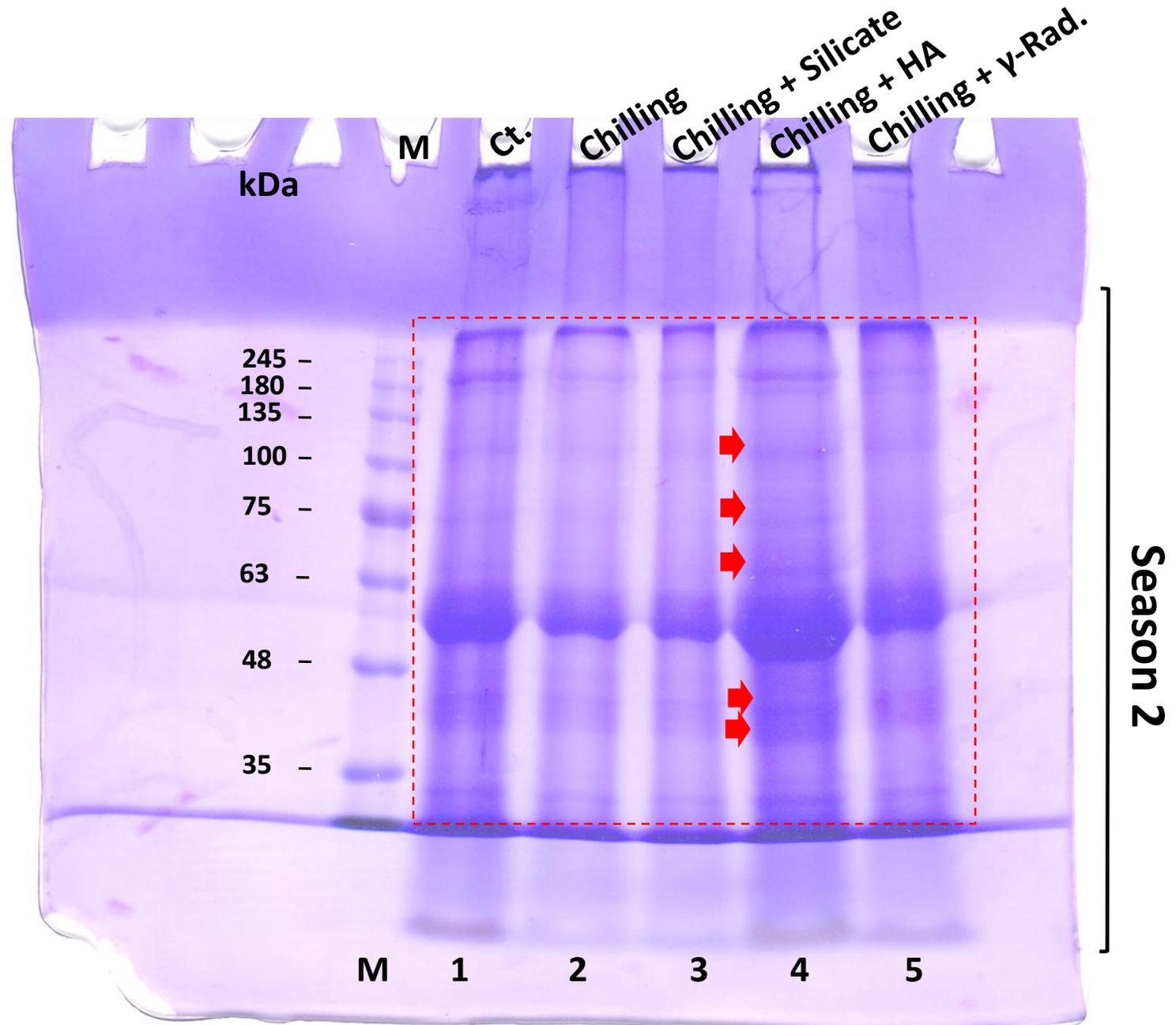


Processed version

a



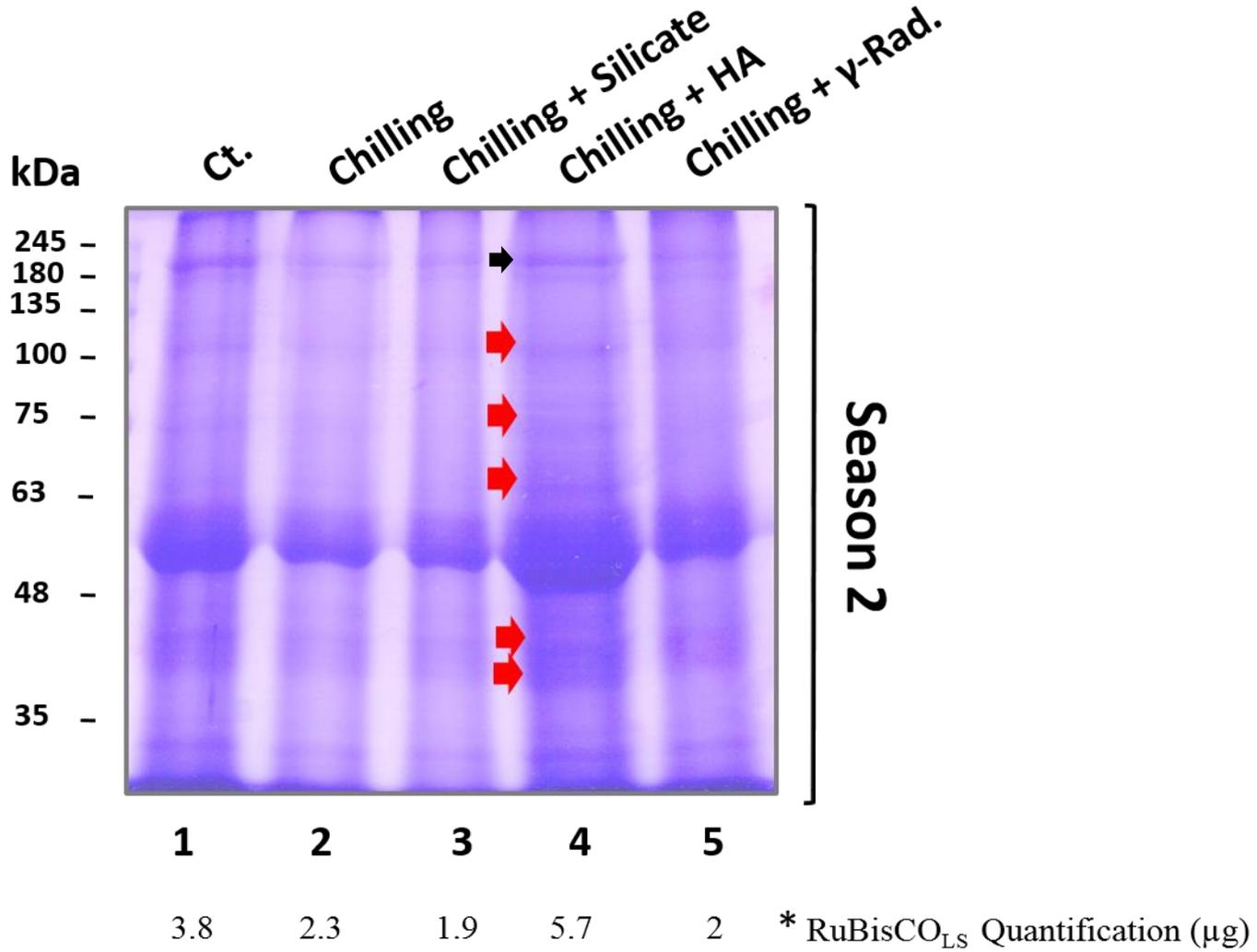
Original and unprocessed version

b**Physiological status**

Processed version

b

Physiological status



Repeat (2)

Physiological status

Each sample loaded by 100 μg

Each sample loaded by 150 μg

Chilling
Chilling + Silicate

Chilling + HA

Chilling + γ -Rad.

Chilling
Chilling + Silicate

Chilling + HA

Chilling + γ -Rad.

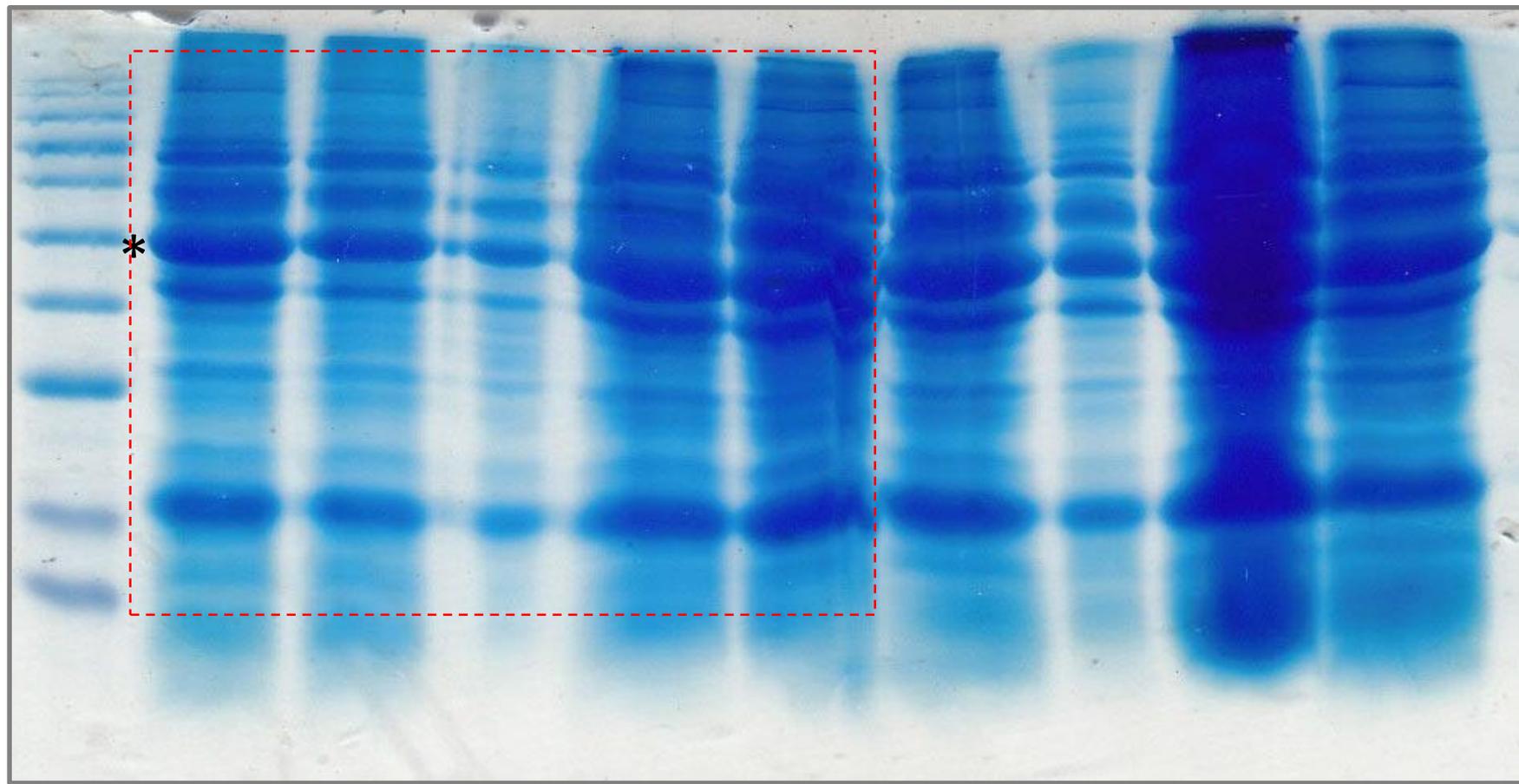
kDa

M

Ct.

245 -
180 -
135 -
100 -
75 -
63 -
48 -
35 -
25 -
20 -

*



M

1

2

3

4

5

6

7

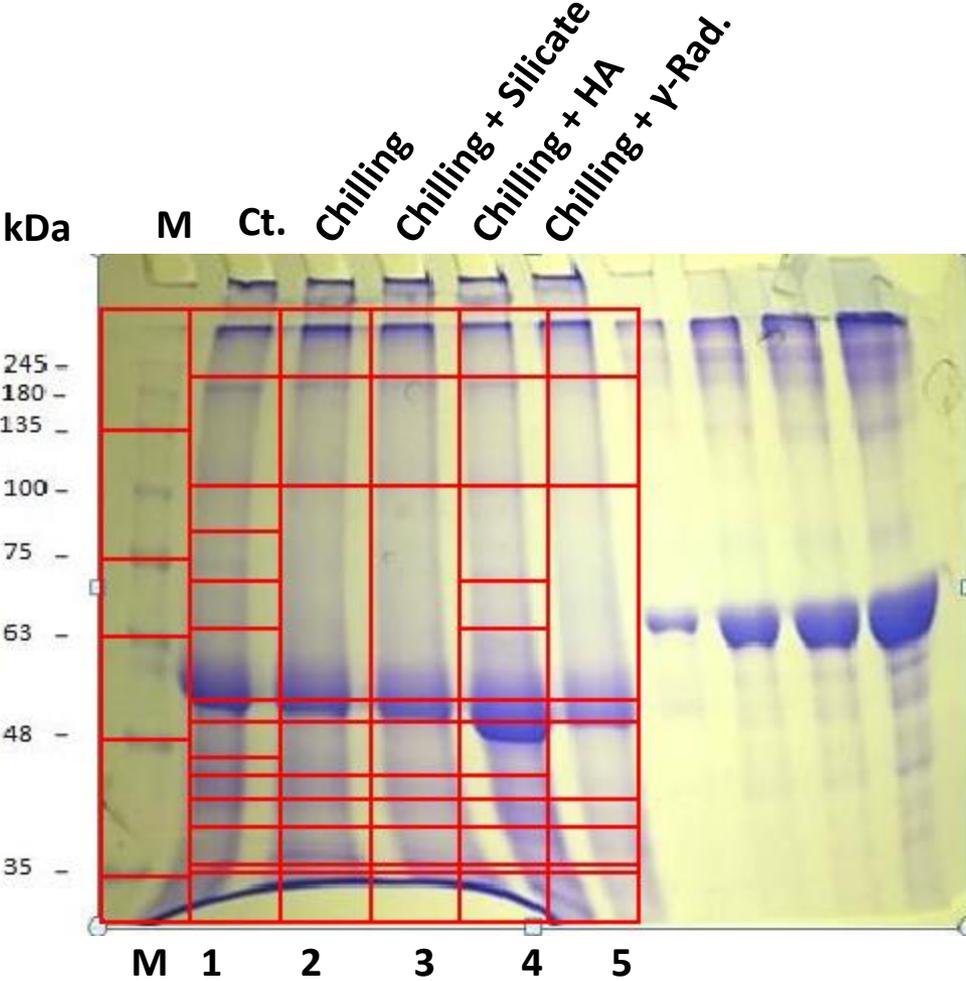
8

9

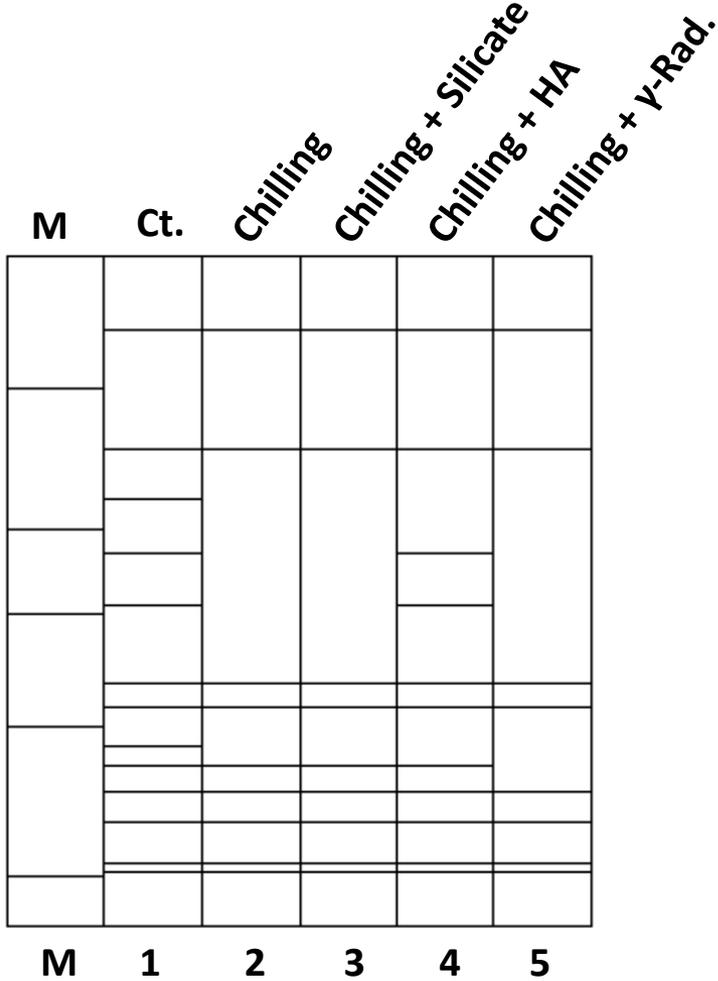
Supplementary Figure 2

Construction steps of the (0, 1) Binary matrix

Physiological status



Physiological status



Rate of flow (Rf) of separated polypeptides

RF					
Marker	1	2	3	4	5
0.20	0.11	0.11	0.11	0.11	0.11
0.41	0.29	0.29	0.29	0.29	0.29
0.53	0.36	0.64	0.64	0.44	0.64
0.70	0.44	0.67	0.67	0.52	0.67
0.93	0.52	0.76	0.76	0.64	0.80
-----	0.64	0.80	0.80	0.67	0.85
-----	0.67	0.85	0.85	0.76	0.91
-----	0.73	0.91	0.91	0.80	0.92
-----	0.76	0.92	0.92	0.85	-----
-----	0.80	-----	-----	0.91	-----
-----	0.85	-----	-----	0.92	-----
-----	0.91	-----	-----	-----	-----
-----	0.92	-----	-----	-----	-----

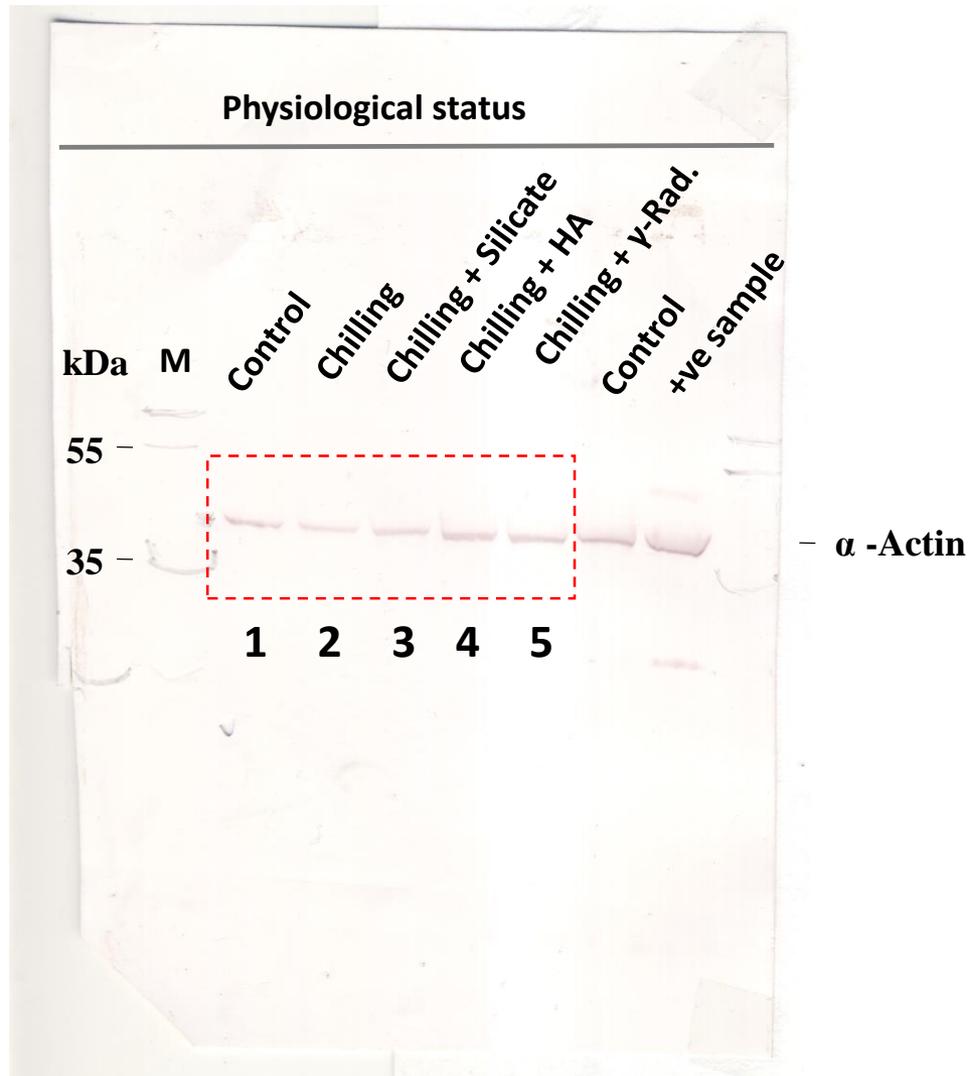
Molecular weights of separated polypeptides

MD					
M	1	2	3	4	5
121	142	142	142	142	142
83	103	103	103	103	103
66	90	55	55	78	55
49	78	52	52	68	52
33	68	44	44	55	41
-----	55	41	41	52	38
-----	52	38	38	44	34
-----	46	34	34	41	33
-----	44	33	33	38	-----
-----	41	-----	-----	34	-----
-----	38	-----	-----	33	-----
-----	34	-----	-----	-----	-----
-----	33	-----	-----	-----	-----

Supplementary Figure 3

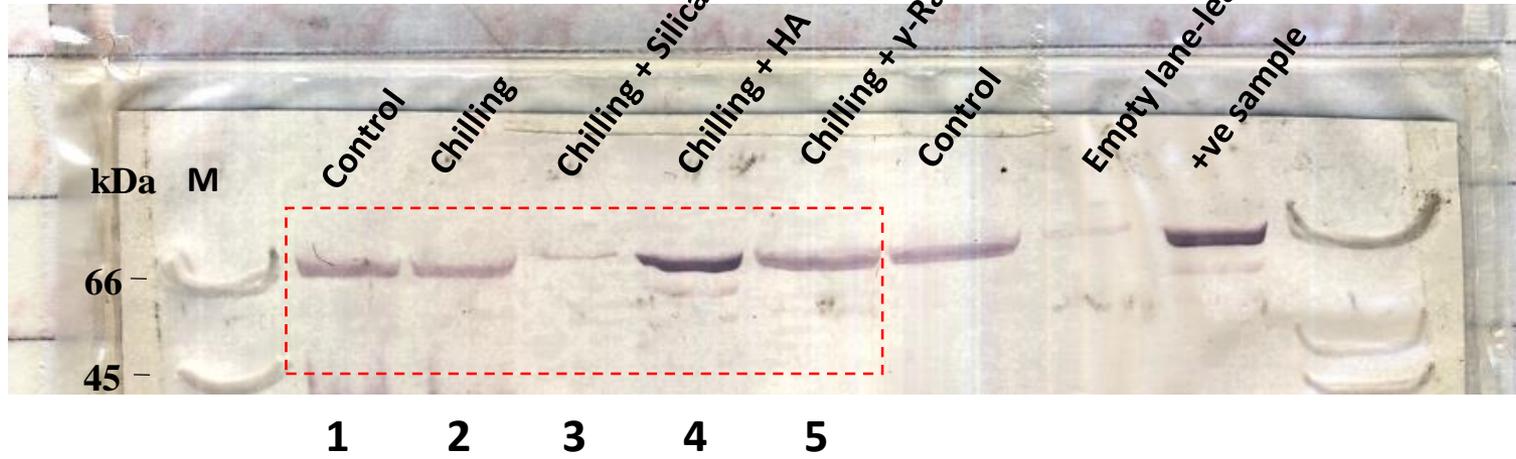
Western blot original individual panels

α -Actin



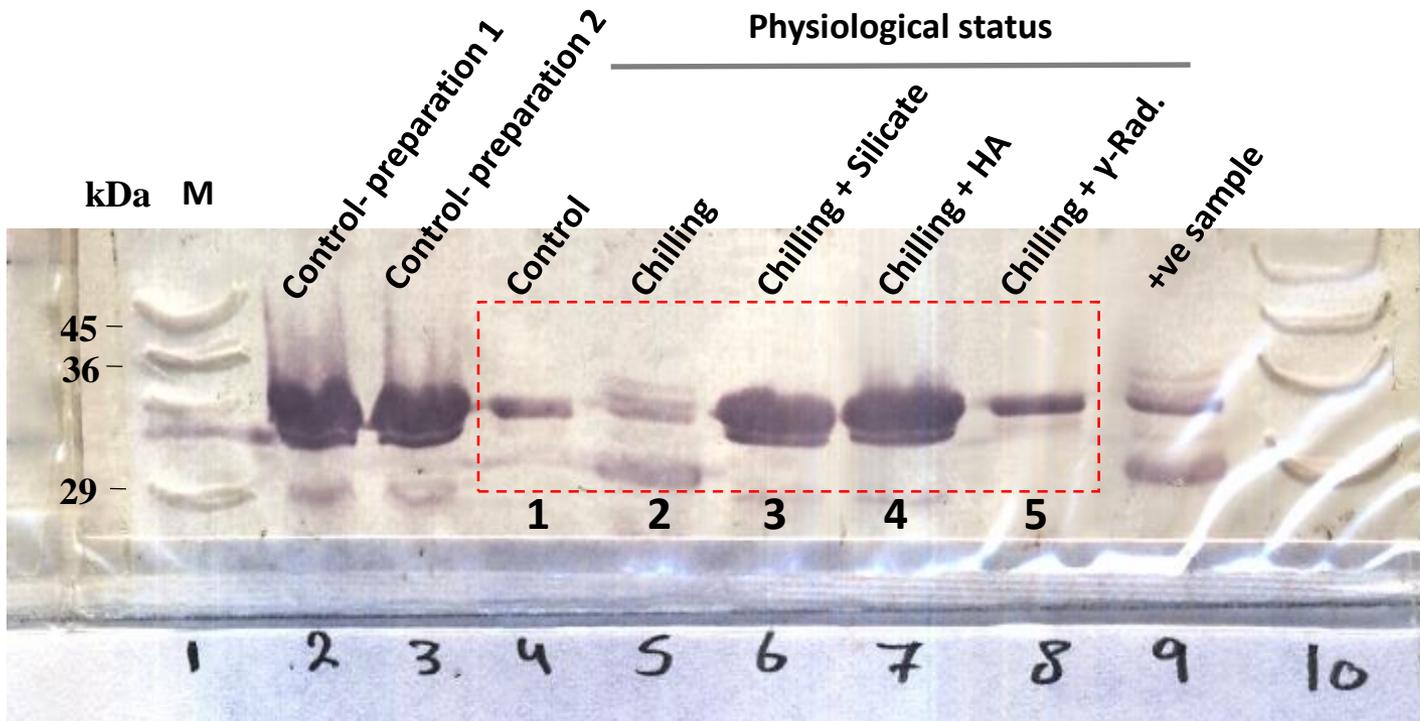
α -Toc75

Physiological status



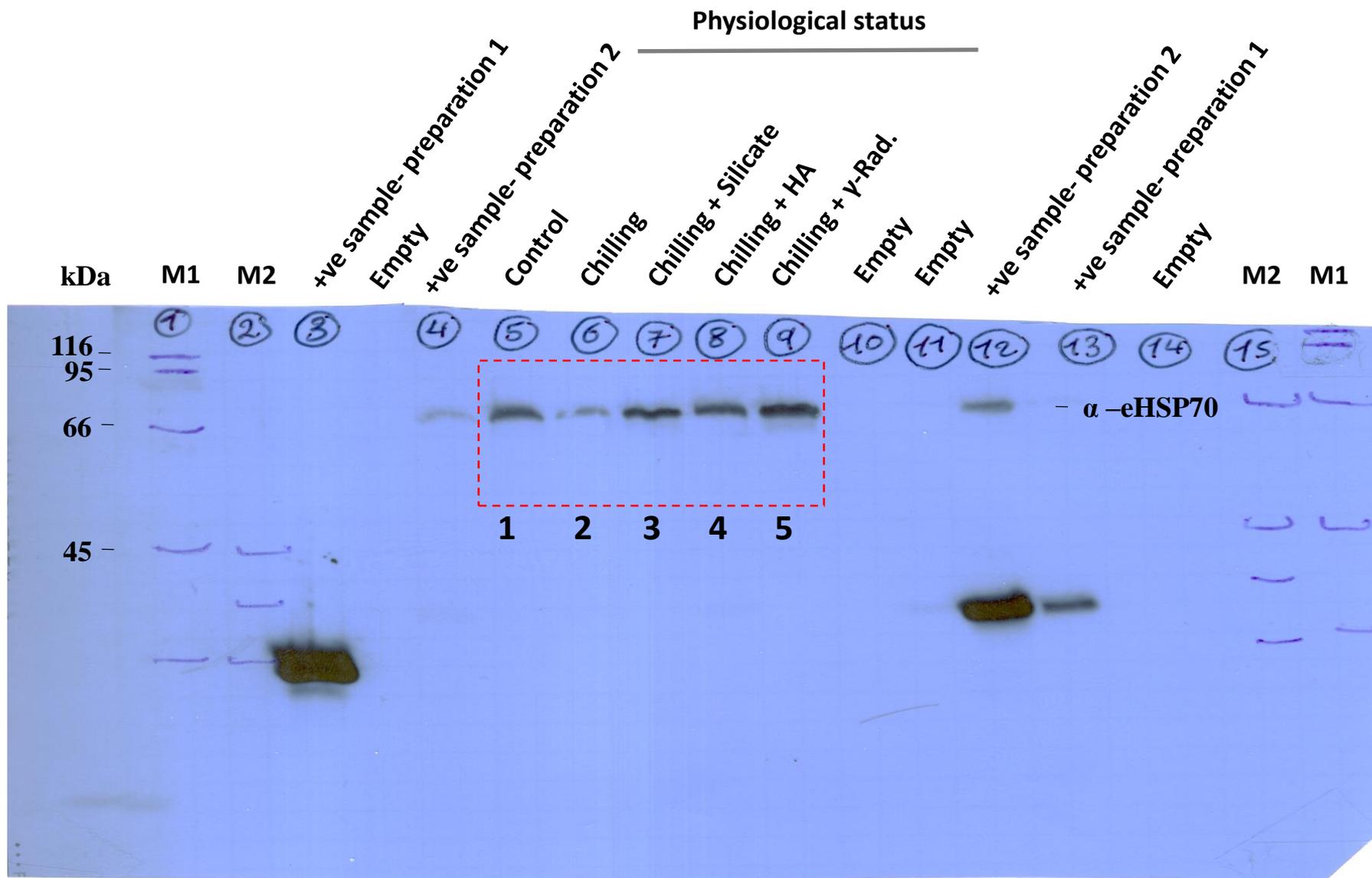
α -Toc75

α -Toc34



- α -Toc34

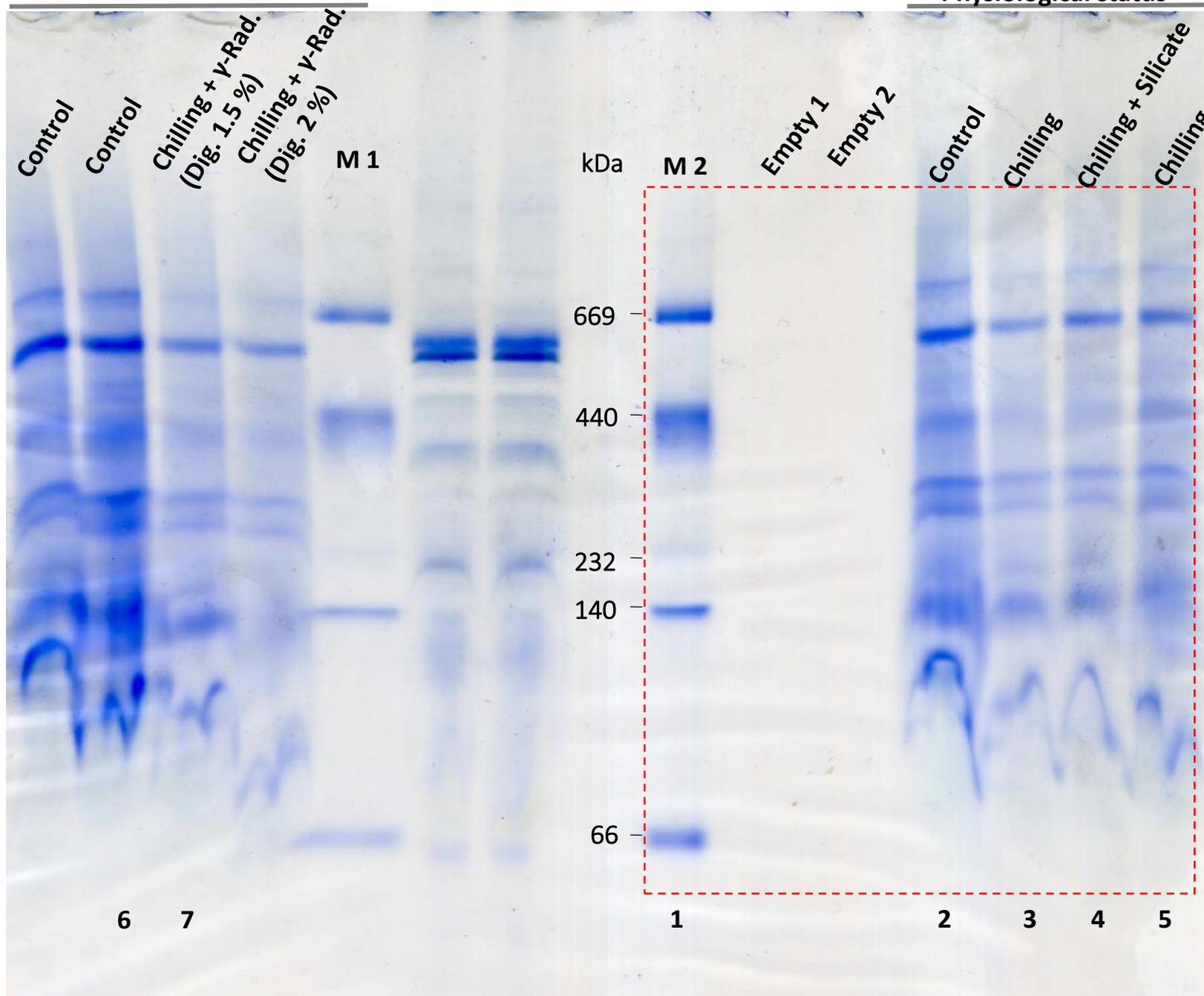
α -eHSP70



Supplementary Figure 4

HDN-PAGE

Original and unprocessed version

a**Physiological status****Original Repeat 1****Step 1**

1- Removing Empty 1 and Empty 2 lanes

2- M2 is placed to be adjacent beside control sample (at right hand side of the gel)

Original Repeat 1

Step 2

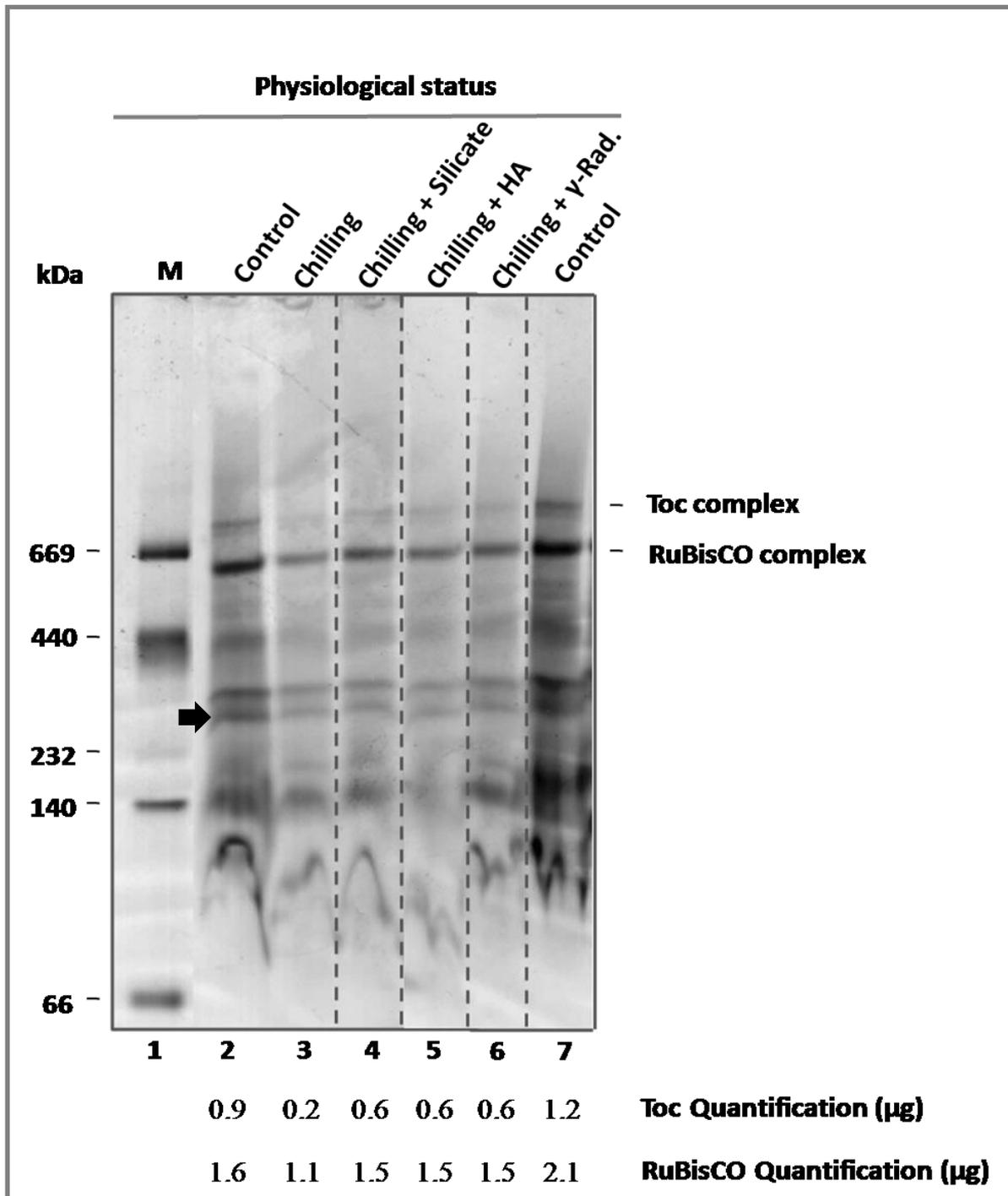
- 1- Removing lanes 6 and 7 from the left hand side of the gel.
- 2- Cropped lanes were flipped horizontally.
- 3- Lanes 6 and 7 were placed beside other lanes from 1-5.

Original Repeat 1

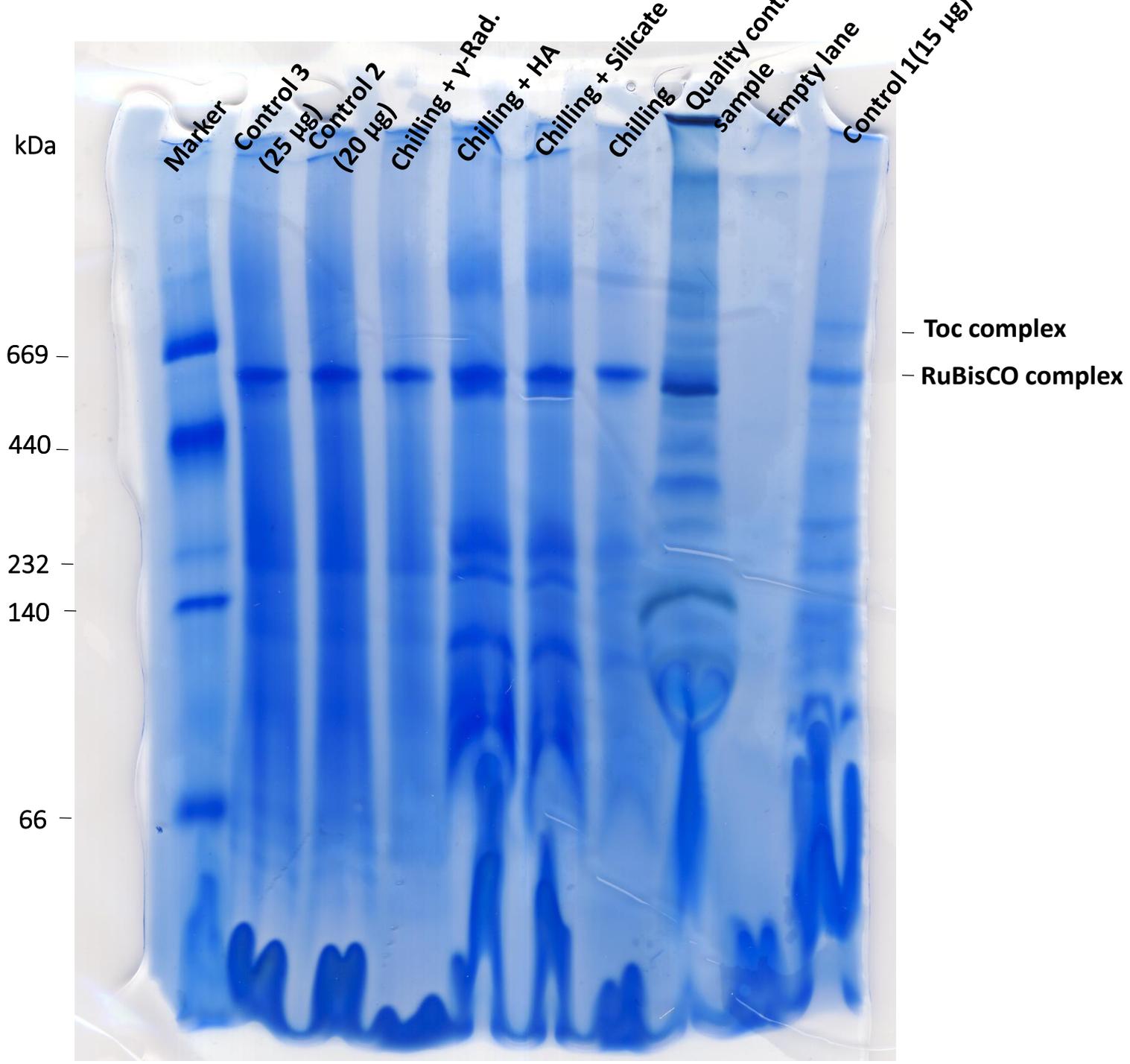
Step 3

Processed version

a



Original and unprocessed version



Repeat 2

Processed version

b

